FILE COPY

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Westfield
Westfield Executive Park
53 Southampton Road
Westfield, MA 01085
Tel: (413)572-4000

TestAmerica Job ID: 360-40991-1
Client Project/Site: Olin Chemical

For:
Olin Corporation
PO BOX 248
Charleston, Tennessee 37310-0248

Attn: Mr. James Cashwell

Authorized for release by:
6/21/2012 11:58:19 AM
Joe Chimi
Report Production Representative
joe.chimi@testamericainc.com

Designee for

Becky Mason
Project Manager II
becky.mason@testamericainc.com

CHECKED FOR COMPLETENESS OF PARAMETERS ORDERED BY:

Table of Contents

Case Narrative

Client: Olin Corporation
Project/Site: Olin Chemical

TestAmerica Job ID: 360-40991-1

Job ID: 360-40991-1

Laboratory: TestAmerica Westfield

Narrative

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

Receipt

The samples were received on 6/7/2012 4:40 PM; the samples arrived in good condition, properly preserved and, where required, on ice. The temperature of the cooler at receipt was 3.1° C.

Metals

Method 6010C: At the request of the client, an abbreviated/modified MCP analyte list was reported for this job.

No analytical or quality issues were noted.

MassDEP Analytical Protocol Certification Form

Laboratory Name: **TestAmerica Westfield** Project #: **360-40991-1**

Project Location: **Olin Quarterly** RTN:

This form provides certifications for the following data set: list Laboratory Sample ID Number(s):

360-40991-(1-2)

Matrices: [X] Groundwater/Surface Water [ ] Soil/Sediment [ ] Drinking Water [ ] Air [ ] Other:

CAM Protocols (check all that apply below):

8260 VOC CAM II A [ ]	7470/7471 Hg CAM III B [ ]	Mass DEP VPH CAM IV A [ ]	8081 Pesticides CAM V B [ ]	7196 Hex Cr CAM VI B [ ]	Mass DEP APH CAM IX A [ ]
8270 SVOC CAM II B [ ]	7010 Metals CAM III C [ ]	Mass DEP EPH CAM IV B [ ]	8151 Herbicides CAM V C [ ]	8330 Explosives CAM VIII A [ ]	TO-15 VOC CAM IX B [ ]
6010 Metals CAM III A [X]	6020 Metals CAM III D [ ]	8082 PCB CAM V A [ ]	9014 Total Cyanide/PAC CAM VI A [ ]	6860 Perchlorate CAM VIII B [ ]	

Affirmative Responses to Questions A through F are required for "Presumptive Certainty" status

A	Were all samples received in a condition consistent with those described on the Chain-of-Custody, properly preserved (including temperature) in the field or laboratory, and prepared/analyzed within method holding time.	[X] Yes [ ] No
B	Were the analytical method(s) and all associated QC requirements specified in the selected CAM protocol(s) followed?	[X] Yes [ ] No
C	Were all required corrective actions and analytical response actions specified in the selected CAM protocol(s) implemented for all identified performance standard non-conformances?	[X] Yes [ ] No
D	Does the laboratory report comply with all the reporting requirements specified in CAM VII A, "Quality Assurance and Quality Control Guidelines for the Acquisition and Reporting of Analytical Data"?	[X] Yes [ ] No
E	a. VPH, EPH and APH Methods only: Was each method conducted without significant modification(s)? (Refer to the individual method(s) for a list of significant modifications). b. APH and TO-15 Methods only: Was the complete analyte list reported for each method?	[ ] Yes [ ] No [ ] Yes [ ] No
F	Were all applicable CAM protocol QC and performance standard non-conformances identified and evaluated in a laboratory narrative (including all "No" responses to Questions A through E)?	[X] Yes [ ] No

Responses to Questions G, H and I below are required for "Presumptive Certainty" status

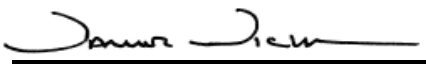
G	Were the reporting limits at or below all CAM reporting limits specified in the selected CAM protocol(s)?	[X] Yes [ ] No[1]

***Data User Note:* Data that achieve "Presumptive Certainty" status may not necessarily meet the data usability and representativeness requirements described in 310 CMR 40. 1056 (2)(k) and WCS-07-350**

H	Were **all** QC performance standards specified in the CAM protocol(s) achieved?	[X] Yes [ ] No[1]
I	Were results reported for the complete analyte list specified in the selected CAM protocol(s) ?	[ ] Yes [X] No[1]

[1] All negative responses must be addressed in an attached laboratory narrative.

I, the undersigned, attest under the pains and penalties of perjury that, based upon my personal inquiry of those responsible for obtaining the information, the material contained in this analytical report is, to the best of my knowledge and belief, is accurate and complete.

Signature:  Position: Technical Manager

Printed Name: James Wickham Date: 6/21/12 11:55

This form has been electronically signed and approved

Detection Summary

Client: Olin Corporation
Project/Site: Olin Chemical

TestAmerica Job ID: 360-40991-1

Client Sample ID: OC-GW-25 — Lab Sample ID: 360-40991-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chromium	3.3	J	5.0	0.53	ug/L	1		6010C	Dissolved

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	98		20	20	mg/L	10		300.0	Total/NA
Chloride	91		10	10	mg/L	10		300.0	Total/NA
Ammonia	46		1.0	1.0	mg/L	10		L107-06-1B	Total/NA
Specific Conductance	740		1.0	1.0	umhos/cm	1		SM 2510B	Total/NA

Client Sample ID: OC-GW-24 — Lab Sample ID: 360-40991-2

Analyte	Result	Qualifier	RL	RL	Unit	Dil Fac	D	Method	Prep Type
Sulfate	45		2.0	2.0	mg/L	1		300.0	Total/NA
Chloride	9.4		1.0	1.0	mg/L	1		300.0	Total/NA
Ammonia	33		0.50	0.50	mg/L	5		L107-06-1B	Total/NA
Specific Conductance	320		1.0	1.0	umhos/cm	1		SM 2510B	Total/NA

Method Summary

Client: Olin Corporation
Project/Site: Olin Chemical

TestAmerica Job ID: 360-40991-1

Method	Method Description	Protocol	Laboratory
6010C	Metals (ICP)	SW846	TAL WFD
300.0	Chloride & Sulfate	40CFR136A	TAL WFD
L107-06-1B	Nitrogen Ammonia	LACHAT	TAL WFD
SM 2510B	Conductivity, Specific Conductance	SM	TAL WFD

Protocol References:

40CFR136A = "Methods for Organic Chemical Analysis of Municipal Industrial Wastewater", 40CFR, Part 136, Appendix A, October 26, 1984 and subsequent revisions.
LACHAT = LACHAT

SM = "Standard Methods For The Examination Of Water And Wastewater",

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL WFD = TestAmerica Westfield, Westfield Executive Park, 53 Southampton Road, Westfield, MA 01085, TEL (413)572-4000

Sample Summary

Client: Olin Corporation
Project/Site: Olin Chemical

TestAmerica Job ID: 360-40991-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
360-40991-1	OC-GW-25	Water	06/01/12 09:05	06/07/12 16:40
360-40991-2	OC-GW-24	Water	06/01/12 09:35	06/07/12 16:40

Client: Olin Corporation
Project/Site: Olin Chemical

TestAmerica Job ID: 360-40991-1

Client Sample ID: OC-GW-25
Date Collected: 06/01/12 09:05
Date Received: 06/07/12 16:40

Lab Sample ID: 360-40991-1
Matrix: Water

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		100	13	ug/L			06/18/12 17:02	1
Chromium	**3.3**	**J**	5.0	0.53	ug/L			06/18/12 17:02	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	**98**		20	20	mg/L			06/11/12 19:16	10
Chloride	**91**		10	10	mg/L			06/11/12 19:16	10
Ammonia	**46**		1.0	1.0	mg/L		06/13/12 13:49	06/14/12 13:38	10
Specific Conductance	**740**		1.0	1.0	umhos/cm			06/11/12 10:41	1

Client: Olin Corporation
Project/Site: Olin Chemical

TestAmerica Job ID: 360-40991-1

Client Sample ID: OC-GW-24
Date Collected: 06/01/12 09:35
Date Received: 06/07/12 16:40

Lab Sample ID: 360-40991-2
Matrix: Water

Method: 6010C - Metals (ICP) - Dissolved

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		100	13	ug/L			06/18/12 17:04	1
Chromium	ND		5.0	0.53	ug/L			06/18/12 17:04	1

General Chemistry

Analyte	Result	Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	45		2.0	2.0	mg/L			06/11/12 17:50	1
Chloride	9.4		1.0	1.0	mg/L			06/11/12 17:50	1
Ammonia	33		0.50	0.50	mg/L		06/13/12 13:49	06/14/12 13:40	5
Specific Conductance	320		1.0	1.0	umhos/cm			06/11/12 10:42	1

Client: Olin Corporation
Project/Site: Olin Chemical

TestAmerica Job ID: 360-40991-1

Qualifiers

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

QC Association Summary

Client: Olin Corporation
Project/Site: Olin Chemical

TestAmerica Job ID: 360-40991-1

Metals

Analysis Batch: 92064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-40991-1	OC-GW-25	Dissolved	Water	6010C	
360-40991-2	OC-GW-24	Dissolved	Water	6010C	
LCS 360-92064/1	Lab Control Sample	Total/NA	Water	6010C	
LCSD 360-92064/7	Lab Control Sample Dup	Total/NA	Water	6010C	
MB 360-92064/2	Method Blank	Total/NA	Water	6010C	

General Chemistry

Analysis Batch: 91757

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-40991-1	OC-GW-25	Total/NA	Water	SM 2510B	
360-40991-2	OC-GW-24	Total/NA	Water	SM 2510B	
LCS 360-91757/31	Lab Control Sample	Total/NA	Water	SM 2510B	
MB 360-91757/30	Method Blank	Total/NA	Water	SM 2510B	

Analysis Batch: 91815

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-40991-1	OC-GW-25	Total/NA	Water	300.0	
360-40991-2	OC-GW-24	Total/NA	Water	300.0	
LCS 360-91815/4	Lab Control Sample	Total/NA	Water	300.0	
MB 360-91815/3	Method Blank	Total/NA	Water	300.0	

Prep Batch: 91861

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-40991-1	OC-GW-25	Total/NA	Water	Distill/Ammonia	
360-40991-2	OC-GW-24	Total/NA	Water	Distill/Ammonia	
LCS 360-91861/2-A	Lab Control Sample	Total/NA	Water	Distill/Ammonia	
MB 360-91861/1-A	Method Blank	Total/NA	Water	Distill/Ammonia	

Analysis Batch: 91925

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
360-40991-1	OC-GW-25	Total/NA	Water	L107-06-1B	91861
360-40991-2	OC-GW-24	Total/NA	Water	L107-06-1B	91861
LCS 360-91861/2-A	Lab Control Sample	Total/NA	Water	L107-06-1B	91861
MB 360-91861/1-A	Method Blank	Total/NA	Water	L107-06-1B	91861

Client: Olin Corporation
Project/Site: Olin Chemical

TestAmerica Job ID: 360-40991-1

Method: 6010C - Metals (ICP)

Lab Sample ID: MB 360-92064/2
Matrix: Water
Analysis Batch: 92064

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	ND		100	13	ug/L			06/18/12 16:03	1
Chromium	ND		5.0	0.53	ug/L			06/18/12 16:03	1

Lab Sample ID: LCS 360-92064/1
Matrix: Water
Analysis Batch: 92064

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Aluminum	5000	4940		ug/L		99	80 - 120
Chromium	1000	1030		ug/L		103	80 - 120

Lab Sample ID: LCSD 360-92064/7
Matrix: Water
Analysis Batch: 92064

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Aluminum	5000	4900		ug/L		98	80 - 120	1	20
Chromium	1000	1020		ug/L		102	80 - 120	0	20

Method: 300.0 - Chloride & Sulfate

Lab Sample ID: MB 360-91815/3
Matrix: Water
Analysis Batch: 91815

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	ND		2.0	2.0	mg/L			06/11/12 17:16	1
Chloride	ND		1.0	1.0	mg/L			06/11/12 17:16	1

Lab Sample ID: LCS 360-91815/4
Matrix: Water
Analysis Batch: 91815

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Sulfate	80.0	82.1		mg/L		103	85 - 115
Chloride	40.0	40.8		mg/L		102	85 - 115

Method: L107-06-1B - Nitrogen Ammonia

Lab Sample ID: MB 360-91861/1-A
Matrix: Water
Analysis Batch: 91925

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 91861

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Ammonia	ND		0.10	0.10	mg/L		06/13/12 13:49	06/14/12 13:11	1

Method: L107-06-1B - Nitrogen Ammonia (Continued)

Lab Sample ID: LCS 360-91861/2-A
Matrix: Water
Analysis Batch: 91925

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 91861

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ammonia	10.0	10.2		mg/L		102	90 - 110

Method: SM 2510B - Conductivity, Specific Conductance

Lab Sample ID: MB 360-91757/30
Matrix: Water
Analysis Batch: 91757

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	RL	RL	Unit	D	Prepared	Analyzed	Dil Fac
Specific Conductance	ND		1.0	1.0	umhos/cm			06/11/12 10:00	1

Lab Sample ID: LCS 360-91757/31
Matrix: Water
Analysis Batch: 91757

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Specific Conductance	1410	1400		umhos/cm		99	85 - 115

DILUTION LOGS

TestAmerica Westfield

Analytical Dilution Preparation Log

Date: 6/11/12

Analyst Initials	Date	Method	LIMs Sample ID	Rpt'd Dil.	Sample Aliquot 1	Units	Final Volume 1	Units	Serial Dilution: Sample Aliquot 2	Serial Dilution: Units	Serial Dilution: Final Volume 2	Serial Dilution: Units	Comments
AMS	6/11/12	300.0	409918Z	10x	1	mL	10	mL					
			MS										
			MSD										
			1										

AMS 6/11/12

entries completed by day [new page each day]

0949

TestAmerica Westfield

Analytical Dilution Preparation Log

Date: 6-14-12

Analyst Initials	Date	Method	LIMs Sample ID	Rpt'd Dil.	Sample Aliquot 1	Units	Final Volume 1	Units	Serial Dilution: Sample Aliquot 2	Serial Dilution: Units	Serial Dilution: Final Volume 2	Serial Dilution: Units	Comments
RWE	6-14-12	NH3	409979 D6A	5x	2	mL	10	mL					
			D6B MS	5x	2		10						
			D6C MSD	5x	2		10						
			D4A	10x	1		10						
			D5A	10x	1		10						
			D7A	10x	1		10						
			D8A	10x	1		10						
			409991C1A	10x	1		10						
			C2A	5x	2		10						

entries completed by day [new page each day]

6/21/2012

Page 16 of 21

035e

Lab Chronicle

Client: Olin Corporation
Project/Site: Olin Chemical

TestAmerica Job ID: 360-40991-1

Client Sample ID: OC-GW-25

Lab Sample ID: 360-40991-1

Date Collected: 06/01/12 09:05

Matrix: Water

Date Received: 06/07/12 16:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	6010C		1	92064	06/18/12 17:02	TJS	TAL WFD
Total/NA	Analysis	SM 2510B		1	91757	06/11/12 10:41	EE	TAL WFD
Total/NA	Analysis	300.0		10	91815	06/11/12 19:16	AMS	TAL WFD
Total/NA	Prep	Distill/Ammonia			91861	06/13/12 13:49	RWE	TAL WFD
Total/NA	Analysis	L107-06-1B		10	91925	06/14/12 13:38	RWE	TAL WFD

Client Sample ID: OC-GW-24

Lab Sample ID: 360-40991-2

Date Collected: 06/01/12 09:35

Matrix: Water

Date Received: 06/07/12 16:40

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Dissolved	Analysis	6010C		1	92064	06/18/12 17:04	TJS	TAL WFD
Total/NA	Analysis	SM 2510B		1	91757	06/11/12 10:42	EE	TAL WFD
Total/NA	Analysis	300.0		1	91815	06/11/12 17:50	AMS	TAL WFD
Total/NA	Prep	Distill/Ammonia			91861	06/13/12 13:49	RWE	TAL WFD
Total/NA	Analysis	L107-06-1B		5	91925	06/14/12 13:40	RWE	TAL WFD

Laboratory References:

TAL WFD = TestAmerica Westfield, Westfield Executive Park, 53 Southampton Road, Westfield, MA 01085, TEL (413)572-4000

Certification Summary

Client: Olin Corporation
Project/Site: Olin Chemical

TestAmerica Job ID: 360-40991-1

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Westfield	Connecticut	State Program	1	PH-0494
TestAmerica Westfield	Maine	State Program	1	MA00014
TestAmerica Westfield	Massachusetts	State Program	1	M-MA014
TestAmerica Westfield	New Hampshire	NELAC	1	2539
TestAmerica Westfield	Rhode Island	State Program	1	LAO00057
TestAmerica Westfield	Vermont	State Program	1	VT-10843

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

State Accreditation Matrix

Method Name	Description	Primary Accreditation	
		New Hampshire (NELAC)	Mass
180.1	Turbidity, Nephelometric	P	P
245.1	Mercury (CVAA)	NP/P	NP
300	Anions, Ion Chromatography	NP/P	NP/P
410.4	COD	NP	NP
524.2	Volatile Org Comp (GC/MS)(list upon request)	P	P
524.2	Trihalomethane compounds	P	P
608	Organochlorine Pest/PCBs (list upon request)	NP	NP
624	Volatile Org Comp (GC/MS)(list upon request)	NP	NP
625	Semivolatile Org Comp (GC/MS)(list upon request)	NP	NP
1010	Ignitability, Pensky-Martens Closed-Cup Method	SW	
1103.1	E.coli		ambient/source
3546	Microwave Extraction	SW	
5035	Closed System Purge and Trap	SW	
6020	Metals (ICP/MS) (list upon request)	NP	
10-107-06-2	Nitrogen, Total Kjeldahl	NP	NP
200.7 Rev 4.4	Metals (ICP)(list upon request)	NP/P	NP/P
200.8 Rev 5.4	Metals (ICP/MS) (list upon request)	NP/P	NP/P
3005A	Preparation, Total Recoverable or Dissolved Metals	NP/P	
3010A	Preparation, Total Metals	NP/P	
3020A	Preparation, Total Metals	NP/P	
3050B	Preparation, Metals	SW	
3510C	Liquid-Liquid Extraction (Separatory Funnel)	NP	
5030B	Purge and Trap	NP	
6010C	Metals (ICP)(list upon request)	NP/SW	
7196A	Chromium, Hexavalent	NP/SW	
7470A	Mercury (CVAA)	NP	
7471A	Mercury (CVAA)	SW	
8081B	Organochlorine Pesticides (GC)(list upon request)	NP/SW	
8082A	PCBs by Gas Chromatography(list upon request)	NP/SW	
8260C	Volatile Org Comp. (GC/MS)(list upon request)	NP/SW	
8270D	Semivolatile Comp.(GC/MS)(list upon request)	NP/SW	
9012A	Cyanide, Total and/or Amenable	NP/SW	
9030B	Sulfide, Distillation (Acid Soluble and Insoluble)	NP	
9045C	pH	SW	
CT ETPH	Conn - Ext. Total petroleum Hydrocarbons (GC)	NP/SW	
Enterolert	Enterococcus		ambient/source
L107041C	Nitrogen, Nitrate	NP	
L107-06-1B	Nitrogen Ammonia	NP	NP
L204001A CN	Cyanide, Total	P	NP/P
L210-001A	Phenolics, Total Recoverable	NP	NP
MA-EPH	Mass - Extractable Petroleum Hydrocarbons (GC)	NP/SW	
MAVPH	Mass - Volatile Petroleum Hydrocarbons (GC)	NP/SW	
SM 2320B	Alkalinity	NP/P	NP/P
SM 2340B	Total Hardness (as CaCO3) by calculation	NP/P	NP
SM 2510B	Conductivity, Specific Conductance	NP/P	NP/P
SM 2540C	Solids, Total Dissolved (TDS)	NP/P	NP/P
SM 2540D	Solids, Total Suspended (TSS)	NP	NP
SM 3500 CR D	Chromium, Hexavalent	NP	
SM 4500 Cl F	Chlorine, Residual		NP
SM 4500 H+ B	pH	NP/P	NP/P
SM 4500 NO2 B	Nitrogen, Nitrite	NP	P
SM 4500 P E	Phosphorus, Orthophosphate	NP/P	NP
SM 4500 P E	Phosphorus, Total	NP	NP
SM 4500 S2 D	Sulfide, Total	NP	
SM 5210B	BOD, 5-Day	NP	NP
SM 5310B	Organic Carbon, Total (TOC)	NP/P	NP
SM 9215E	Heterotrophic Plate Count (SimPlate)		P
SM 9222D	Coliforms, Fecal (Membrane Filter)		NP
SM 9223	Coliforms, Total, and E.Coli (Colilert-P/A)		P
SM 9223	Coliforms, Total, and E.Coli (Enumeration)		P

Not all organic compounds are accreditied under YNI
For methods with multiple compounds all compounds may not meet TNI criteria, a listing should be obtained from the laboratory

The lab carries additional accreditations with several states. This is the laboratories typcial listing but is subject to change based on the laboratories current certification standing.

Login Sample Receipt Checklist

Client: Olin Corporation

Job Number: 360-40991-1

Login Number: 40991

List Source: TestAmerica Westfield

List Number: 1

Creator: Ard, Vanessa L

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

TestAmerica Westfield
Westfield Executive Park 53 Southampton Road
Westfield, MA 01085
Phone (413) 572-4000 Fax (413) 572-3707

Boston Service Center
240 Bear Hill Rd. Suite 104
Waltham, MA 02451
Phone (781) 466-6900 Fax (781) 466-6901

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

6/21/2012

Client Information	Sampler: Brian Guichard	Lab PM: Becky Mason	Carrier Tracking No(s):
Client Contact: James Cashwell	Phone: 9786586121	E-Mail:	COC No: 23307
Company: Ohm Corp			Page: 1 of 1
Address: 51 Eames Street	Due Date Requested:		Job #: 320-40991
City: Wilmington	TAT Requested (days):		
State, Zip: MA 01887			
Phone: 978 336 4011	Quote #:		
Email:	PO #:		
Project Name/number: Ohm Quarterly	WO #:		
Site:	SSOW#:		

Analysis Requested

Preservation Codes:
A - HCL; B - NaOH; C - Zn Acetate; D - Nitric Acid; E - NaHSO4; F - MeOH; H - Ascorbic Acid; I - Ice; J - DI Water; M - Hexane; N - None; P - Na2O4S; Q - Na2SO3; R - Na2S2SO3; S - H2SO4; Z - other (specify)

Regulatory programs: MCP ☐ GW1/S1 ☐ RCP ☐ CT RSR ☐ DEP Form ☐ EDD Required ☐

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=waste/oil, BT=Tissue, A=Air)	Sampler's Initials	Field Filtered Sample?	Perform MS/MSD?	Ammonia	Chloride	Sulfate	Spec. Cond	Alk - Field Titrat	Total Number of containers	Special Instructions/Note:
Preservation Code:														
OC-GW-25	6-1-12	9:05	G	W	X	XX	X	X	X	X	X	X	3	analysis
OC-GW-24	6-1-12	9:35	G	W	X	XX	X	X	X	X	X	X	3	added per Brian Guichard Rm 6

Page 21 of 21

Possible Hazard Identification
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown ☐ Radiological

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)
☐ Return To Client ☐ Disposal By Lab ☐ Archive For ____ Months

Deliverable Requested: I, II, III, IV, Other (specify)

Special Instructions/QC Requirements:

Relinquished by:	Date/Time: 6-7-12 1240	Company	Received by:	Date/Time: 6-7-12 1240	Company
Relinquished by:	Date/Time: 6-7-12 1640	Company TA	Received by:	Date/Time: 6/7/12 1640	Company TA
Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks: 3.1 ICE

TAL-8245-360 1111